Title (en)

Method for producing L-Glutamic acid by fermentation

Title (de)

Verfahren zur fermentativen Herstellung von L-Glutaminsäure

Title (fr)

Procédé de production d'acide L-glutamique par fermentation

Publication

EP 1010755 A1 20000621 (EN)

Application

EP 99125302 A 19991217

Priority

JP 36061998 A 19981218

Abstract (en)

A coryneform bacterium having enhanced intracellular pyruvate dehydrogenase activity which is obtained by increasing copy number of a gene coding for intracellular pyruvate dehydrogenase and having L-glutamic acid-producing ability is cultured in a medium preferably containing vitamin B1 at a concentration of 20 mu g/L or higher, so that L-glutamic acid should be accumulated in the medium, and L-glutamic acid is collected from the culture. According to the present invention, a bacterial strain having high L-glutamic acid-producing ability has been bred, and there is provided a method for efficiently producing L-glutamic acid at a low cost.

IPC 1-7

C12N 1/21; C12P 13/14; C12N 15/11; C12N 15/53

IPC 8 full level

C12N 1/21 (2006.01); **C12N 3/00** (2006.01); **C12N 15/11** (2006.01); **C12N 15/53** (2006.01); **C12P 13/14** (2006.01)

CPC (source: EP)

C12N 3/00 (2013.01); **C12P 13/14** (2013.01)

Citation (applicant)

- US 5846790 A 19981208 - KIMURA EIICHIRO [JP], et al
- COLE, S.T. ET AL., NATURE, vol. 393, 11 June 1998 (1998-06-11)

Citation (search report)

- [AD] US 5846790 A 19981208 - KIMURA EIICHIRO [JP], et al
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- [AD] DATABASE WPI Section Ch Week 198841, Derwent World Patents Index; Class B05, AN 1988-290579, XP002134305

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DOCDB simple family (application)

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